

Title (en)  
Length-adjustable knob lock cylinder

Title (de)  
Längenveränderbarer Knaufschließzylinder

Title (fr)  
Barrilet à bouton réglable en longueur

Publication  
**EP 2275628 A3 20170329 (DE)**

Application  
**EP 10169476 A 20100714**

Priority  
DE 102009026176 A 20090715

Abstract (en)  
[origin: EP2275628A2] The cylinder has a housing end piece comprising a bearing lug engaged by drive shafts and fastened at a housing main part (1) in variable distance to a closing element. Control knobs are fastened at a free end of the drive shafts in variable distance to the closing element. A front side of the housing main part comprises openings (8', 36') lying in parallel and attached to a bearing cavity (36) and a fastening cavity (8). The fastening cavity holds a fastening pin of the housing end piece in the housing main part. The housing end piece is made of hardened steel.

IPC 8 full level  
**E05B 9/04** (2006.01); **E05B 1/00** (2006.01); **E05B 9/10** (2006.01); **E05B 13/00** (2006.01); **E05B 47/00** (2006.01)

CPC (source: EP)  
**E05B 9/045** (2013.01); **E05B 15/04** (2013.01); **E05B 47/0615** (2013.01); **E05B 47/0642** (2013.01); **E05B 47/0012** (2013.01); **E05B 2047/0031** (2013.01)

Citation (search report)

- [YA] DE 8633108 U1 19880407
- [Y] DE 20320698 U1 20050317 - SCHLOSSICHERUNGEN GERA GMBH [DE]
- [X] EP 1574643 A1 20050914 - KESO AG [CH]
- [I] DE 102007035265 A1 20090129 - SECCOR HIGH SECURITY GMBH [DE]

Cited by  
EP2927395A1; DE102014104792A1; CN110528961A; EP3741934A1; ITMI20130233A1; EP2520745A3; CN108756507A; EP3109383A1; EP3679207A4; US11466473B2; DE102014104792B4; EP2998482A1; WO2014060530A1; WO2014128106A1; US11913254B2; US11933076B2; US11339589B2; US11447980B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)  
BA ME RS

DOCDB simple family (publication)  
**EP 2275628 A2 20110119; EP 2275628 A3 20170329; EP 2275628 B1 20181017**; DE 102009026176 A1 20110127; EP 3421692 A1 20190102

DOCDB simple family (application)  
**EP 10169476 A 20100714**; DE 102009026176 A 20090715; EP 18185730 A 20100714